## (19) World Intellectual Property Organization

International Bureau





## (43) International Publication Date 14 July 2005 (14.07.2005)

**PCT** 

## (10) International Publication Number WO 2005/063741 A1

- (51) International Patent Classification<sup>7</sup>: C07D 405/06, 207/34
- (21) International Application Number:

PCT/SI2004/000045

(22) International Filing Date:

27 December 2004 (27.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

P-200300321 29 December 2003 (29.12.2003) SI P-200400022 23 January 2004 (23.01.2004) SI

- (71) Applicant (for all designated States except US): LEK PHARMACEUTICALS D.D. [SI/SI]; Verovskova 57, 1526 Ljubljana (SI).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ANTONCIC, Ljubomir [SI/SI]; Podmiljscakova 43, 1000 Ljubljana (SI). SORSAK, Gorazd [SI/SI]; Crtomirova 3, 1000 Ljubljana (SI).

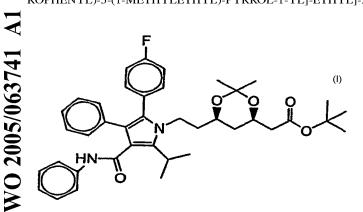
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## **Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR PREPARING AMORPHOUS (4R-CIS)-6-[2-[3-PHENYL-4-(PHENYLCARBAMOYL)-2-(4-FLUO-ROPHENYL)-5-(1-METHYLETHYL)-PYRROL-1-YL]-ETHYL]-2,2-DIMETHYL-[1,3]-DIOXANE-4-YL-ACETIC ACID



(57) Abstract: The invention relates to a process of preparing amorphous (4R-cis)-6-[2-[3-phenyl-4-(phenylcar-bamoyl)-2-(4-fluorophenyl)-5-(1-methylethyl)-pyrrol-1-yl]-ethyl]-2,2-dimethyl-[1,3]-dioxane-4-yl-acetic acid - tertiary butyl ester which is a useful pharmaceutical intermediate in the preparation of atorvastatin salts.

